Amendments to the Claims

1. (Previously presented) An isolated nucleic acid molecule encoding CA125 (SEQ ID NO:5) or a fragment ~~thereof,~~ thereof; ~~wherein the isolated nucleic acid molecule encodes a polypeptide comprising residues 1-10,427 of SEQ ID NO:5 or a fragment of resiJues 1-10,427 of SEQ ID NO:5 recognized by an antibody that selectively binds to SEQ ID NO:5~~

wherein the isolated nucleic acid molecule is an expression vector and is adapted to express in a cell CA125 (SEQ ID NO:5) or a fragment thereof.

2. (Original) The isolated nucleic acid molecule of claim 1 comprising the sequence of SEQ ID NO: 4.

3-20. Canceled.

21. (Previously presented) The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule comprises SEQ ID NO:1 or a fragment thereof.

22. (New) The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule encodes and is adapted to express in a cell residues 1-10,427 of SEQ ID NO:5 or a fragment of residues 1-10,427 of SEQ ID NO:5.

23. (New) The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule encodes and is adapted to express in a cell a fragment of SEQ ID NO:5 wherein the expressed fragment can be used to make monoclonal antibodies.

24. (New) The isolated nucleic acid molecule of claim 22 wherein the expressed residues 1-10,427 of SEQ ID NO:5 or fragment of residues 1-10,427 of SEQ ID NO:5 can be used to make monoclonal antibodies.

25. (New) The isolated nucleic acid molecule of claim 23 wherein the expressed fragment can be used to make monoclonal antibodies that specifically recognize CA125 (SEQ ID NO:5).

26. (New) The isolated nucleic acid molecule of claim 24 wherein the expressed residues 1-10,427 of SEQ ID NO:5 or fragment of residues 1-10,427 of SEQ ID NO:5 can be used to make monoclonal antibodies that specifically recognize CA125 (SEQ ID NO:5).